

ABSTRACT OF THE DISCLOSURE

An actuating drive for a plasticizing unit of an injection molding machine is disclosed. The actuating drive includes a spindle drive with an electric motor and a control mechanism. An energy storage device is coupled with the spindle drive for force transmission therebetween. The energy storage device is loaded by the spindle drive in a return stroke phase and is unloaded in a forward feed phase, boosting the power of an electric motor. The actuator drive can be used, for example, for pulsating actuation of a mold ejector of the injection molding machine, significantly reducing the electrical energy consumption compared to conventional drives.